



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/980,046B

DATE: 04/02/2003

TIME: 12:49:47

Input Set : A:\98501A.ST25.txt

Output Set: N:\CRF4\04022003\I980046B.raw

3 <110> APPLICANT: Youakim, Adel
 4 DuBose, Robert
 5 Sims, John
 6 Pribyl, Thomas M
 7 Hilbush, Brian S
 8 Hasel, Karl W
 10 <120> TITLE OF INVENTION: Modulation of Gene Expression in Gastrointestinal Inflammation

12 <130> FILE REFERENCE: 216019-33
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/980,046B
 C--> 15 <141> CURRENT FILING DATE: 2002-12-27

17 <150> PRIOR APPLICATION NUMBER: 60/137,058
 18 <151> PRIOR FILING DATE: 1999-06-01
 20 <160> NUMBER OF SEQ ID NOS: 127
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 370
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Homo sapiens
 29 <400> SEQUENCE: 1

P.6

ENTERED

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| 32 | tgaaaccaga gg | tcatgcat ctgaggtttc | atcaaaacac | tggaagccat | ggtagttatt | 120 |
| 34 | gtccttgata ggtatgtcaa | cctcaacacc | aatgtccttc | ctggctgatg | gagaaatggg | 180 |
| 36 | ctgcccgatt cacagacttc | ttgatctttc | ctcagcatat | gatactctca | tatgaaactc | 240 |
| 38 | tcctcctggc taggagtggc | agcctacatc | gctaataccca | gcaccttggg | aagctgaggc | 300 |
| 40 | aggaggatta ctggaggcca | ggagtttgag | accaggctgg | gcaatacagc | gagactctct | 360 |
| 42 | ctccta | aaaaa | | | | 370 |

45 <210> SEQ ID NO: 2
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 47 <212> TYPE: DNA
 48 <213> ORGANISM: Homo sapiens
 50 <400> SEQUENCE: 2

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| 53 | tcaaattatt cttccagtgg | ttttgttatt | ttctcaatgt | tatagtga | aaa tataataata | 120 |
| 55 | catgcagaaa aaagcataaa | tcaactattg | aataacgaaa | atgtgaacct | ctatgtaact | 180 |
| 57 | gcaactcagg ctgcctaccg | tttttaattt | ctctctaata | tttaaaaaca | aatactatct | 240 |
| 59 | ttactaaaga tgtttcagag | taagataaaa | tacaaagaga | gtaattccca | aaaa | 294 |

62 <210> SEQ ID NO: 3
 63 <211> LENGTH: 79
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Homo sapiens
 67 <400> SEQUENCE: 3

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| 68 | cgggaatccc ctttcagttc | tttgaaaaag | ttccatgact | cgaatatctg | aaatgaagaa | 60 |
| 70 | aacaaaccga | ctcta | aaaaa | | | 79 |

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Input Set : A:\98501A.ST25.txt

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97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
100 <400> SEQUENCE: 6
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105 tattatgtta cagataatac aggaaaaacg gggttactag tagccgccca tagcctgcaa      180
107 cctttgcact ccactgtgca atgctggccc tgcacgctgg ggctgttgcc cctgccccct      240
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115 <211> LENGTH: 294
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124 gaacatgtca tttctctatt tctgtgacgc gccccatgc cccacccca ccacaagagg      180
126 caggagggcc cagtcatgac cctcgtctct gcagggtgtc tgtacacggt cttctgaaa      240
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143 <211> LENGTH: 30
144 <212> TYPE: DNA
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164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
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172 <211> LENGTH: 138
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179 acccattcaa ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggt      120
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185 <211> LENGTH: 98
186 <212> TYPE: DNA
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206 <210> SEQ ID NO: 15
207 <211> LENGTH: 255
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216 agctgtcctg acccagacag tgaagccact aaccctggag ctagtggagg aaactgtgca      180
218 ggctatggag gtggagtaag ctgaggctta gagcttgga caagggggaa taaaccaga       240
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225 <212> TYPE: DNA
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229 cggcacctgc aaatgcaaag agtgcaaagt cacctcctgc aagaaaagct gctgctcctg      60
231 ctgccctgtg ggctgtgcca agtgtgcccc gggctgcac tgcaaagggg cgtcggacaa      120
233 gtgcagctgc tgcgcctgat gctgggtcag ccccgctccc agatgtaaag aacgcgactt      180
235 ccacaaacct ggatttttta tgtacaaccc tgaccgtgac cgtttgctat attccttttt      240
237 ctatgaaata atgtgaatga taataaaaca gctttgactt aaaaa      285
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250 cccttggtag agtttatttt tttgatggct aagatactgc tgatgctgaa ataaactagg      180
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256 <211> LENGTH: 203
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263 gaaagagatg gaggaggagg actgagcccc gaattcacta ggttcgaatc cagagagcag      120
265 tgtggaaaaa aaaaacaaaa aacaactgac cagttgttga taaccactaa gagtctctat      180
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275 <400> SEQUENCE: 19
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280 tatatatatc ttttgcttcc ttggtttagt gtatttttag gtattttagt cttcttgtgg      180
282 caattgtgaa tgggattgca ttctgtattt ggctcttggc ttgaatgtta ttaacgccac      240
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297 gcgagactcc atctccaaaa aaaagactta ggaactcaat tctgtgatag caaaatacac      120
299 aaatagagat tatacttttag gctaggtgtt gtggctcaca cctgtaatcc caatgctttt      180
301 ggaggctagg gtggaggat cactcgaagc caggagcttg agaccagact ggacaacata      240
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312 cggagcaccc gccagcgggc agcctgtgcc cagctcaacg acttccctcca ggagtatggc      60
314 actcaggggt gccaggtgtg agggctgccc tcccacctcc gctgggagga acctgaacct      120
316 gggaaccatg aagctggaag cactgctgtg tccgctttca tgaacacagc ctgggaccag      180
318 ggcataattaa aggcttttgg catcaaaaaa                                209
321 <210> SEQ ID NO: 22
322 <211> LENGTH: 321
323 <212> TYPE: DNA
324 <213> ORGANISM: Homo sapiens
326 <400> SEQUENCE: 22
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329 aggctgaaag aatggagccc ttctgttcag tgggtgtccat ctggggccctg gactctggat      120
331 ttgaccgagg ccctggaggg gagggccatg gagttgtgct tgtgtgtcat gtgcacggtc      180
333 ctggtttact gtgcaccttc tctaactaga tccttagcca agggcttcac atacagcgtg      240
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337 tatttgtacc aaagataaaa a                                321
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345 <400> SEQUENCE: 23
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350 cagtttgccct aactgctaa actgatttta agtaaagaga atgtggatga agtgtgcaaa      180
352 tgtgtggagt ttttaagtgt acataatatt gaggaatcct gctttcagtt tctgaaattt      240
354 aagtttttgg actccactgc agaccagcaa gaatgcccaa aaa                                283
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367 gcctcaccac ctgacgtgc atgagacatt gacaccagaa agccctcttg tctgagggac      180
369 atatcagtga cctcgacgtt gcctttagac tacagttgtg ttagcctctt gcgtattggc      240
371 tttttcagag tcatttatga gcagaaaaaa aaaaaagtaa aactttgcta atatcaaaaa      300
374 <210> SEQ ID NO: 25
375 <211> LENGTH: 147
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379 <400> SEQUENCE: 25
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388 <211> LENGTH: 205
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/980,046B

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Input Set : A:\98501A.ST25.txt
Output Set: N:\CRF4\04022003\I980046B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; N Pos. 47,48
Seq#:46; N Pos. 16
Seq#:48; N Pos. 13,14,15,16